

### ABSTRACT

Hydrophobic polymer particles (e.g., granules or fragments) employed as filter media, e.g., for filtering runoff water, include an antimicrobial compound on exterior surfaces and can reduce proliferation of microbial organisms as well as sorb chemical contaminants from the water. By employing this dual decontamination action, filter systems employing such particles can improve the quality of runoff water (or other contaminated water streams) and reduce the risk presented by potentially harmful organisms.